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**PATENT ABSTRACTS OF JAPAN**(21) Application number: **05208486**(51) Intl. Cl.: **A61K 7/06**(22) Application date: **31.07.93**

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states:(71) Applicant: **HORIUCHI HIDEO**  
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**(54) PRODUCTION OF HAIR  
TONIC**

(57) Abstract:

**PURPOSE:** To provide a hair tonic significantly high in hair tonifying effect compared to conventional hair tonics, containing, as active ingredient, minoxidil.

**CONSTITUTION:** 0.1-10.0g of minoxidil is mixed with 30.0-70.0g of a 95% ethanol solution followed by addition of purified water to a total of 100ml, thus obtaining the objective hair tonic. This hair tonic may be additionally incorporated with 0.1-2.0g of hyaluronic acid, 0.05-1.00g of glycyrrhizic acid dipotassium salt as an anti-inflammatory agent and 0.01-1.00g of l-menthol as a refreshing agent. This hair tonic has hair tonifying effect through the blood stream promotion of the scalp owing to blood capillary dilation developed by minoxidil.

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- AN - 1995-126084 [17]
- TI - Prepn. of hair tonic agent - comprises mixing ethanol soln. with minoxidil and adding pure water
- AB - J07048230 Prepn. comprises mixing 30.0-70.0g of 95% ethanol soln. with 0.1-10.0g of minoxidil and adding pure water to a final vol. of 100 ml.  
- Pref. 0.1-2.0g hyaluronic acid as a moisture-retaining agent, 0.05-1.00g dipotassium glycyrrhizate as antiinflammatory agent and 0.01-1.00g 1-methanol as a refreshing agent are added to the agent.(Dwg.0/0)
- W - PREPARATION HAIR TONIC AGENT COMPRISE MIX ETHANOL SOLUTION MINOXIDIL ADD PURE WATER
- PN - JP7048230 A 19950221 DW199517 A61K7/06 004pp
- IC - A61K7/06
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